Dart Aerospace Ltd. Tuesday, 2/26/2008 8:02:41 AM Date: Kim Johnston ز:User **Process Sheet Drawing Name** : FRAME WELDMENT : CU-DAR001 Dart Helicopters Services Customer Job Number : 37640 : 11202 **Estimate Number** Part Number : D3330041 P.O. Number : D3330 REV D **Drawing Number** : 2/26/2008 S.O. No. : This Issue : N/A Project Number : NC Prsht Rev. : 11 : LARGE FAB ASSY **Drawing Revision** ; D Type First Issue : 37054 Material Previous Run : 3/26/2008 Qty: 2 Um: **Due Date** Written By Checked & Approved By New Issue KJ/JLM : Est. 05.01.13 Comment В 07.05.14 revC dwg est С 07.12.19 Rev D ecn1085 EC Est **Additional Product** Job Number: Description: Machine Or Operation: Seq. #: D33301 Panel 1.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 2.0000 Each(s) Panel Pick: MATERIAL SAN Part Number Description Batch Qty D3330-1 Panel D33302 Panel 2.0 Comment: Qty.: 2.0000 Each(s) 1.0000 Each(s)/Unit Total: Panel Pick: Part Number Description Batch D3330-2 Panel 1 3.0 D33303 Comment: Qty.: 1.0000 Each(s)/Unit Total: 2.0000 Each(s)

Panel Pick:

Qty 1

Rail

Part Number Description Batch

D3330-3 Panel

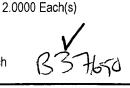
Total:

4.0 D33305



Comment: Qty.: 1.0000 Each(s)/Unit

Pick: Qty Part Number Description Batch



Each

Page 1

Dart Aerospace Ltd

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W/O:			WC	RK ORDER CHANG	SES				
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Part No		PAR #:	Fault Cate	non/:	NCP: Vas	No DO	Δ.	Date:	
raitivo	-	FAN #.	rauit Catet	jory				Date: _ _ Date: _	
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NC	R)			
DATE	CTED	Description of NC			tion B	Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat	e Sect	ion C	Chief Eng	QC Inspector
<u></u>									

Tuesday, 2/26/2008 8:02:41 AM Date: Kim Johnston User: 1 **Process Sheet** Drawing Name: FRAME WELDMENT Customer: CU-DAR001 Dart Helicopters Services Job Number: 37640 Part Number: D3330041 Job Number: Seq. #: Machine Or Operation: Description: Panel 1 D3330-5 D33307 5.0 2.0000 Each(s) Comment: Qty.: 1.0000 Each(s)/Unit Total: Panel Pick: Description Batch Qty Part Number D3330-7 Panel D33309 Top Plate Comment: Qty.: 1.0000 Each(s)/Unit Total: 2.0000 Each(s) Top Plate MAOK Pick: Qty Part Number Description Panel D3330-9 1 D333011 Long Pin Bracket Comment: Qty.: 2.0000 Each(s) Total: 1.0000 Each(s)/Unit Long Pin Bracket WAOK Pick: Description Qty Part Number Long Pin Bracket D3330-11 1 D333013 Short Pin Bracket 8.0 Comment: Qty.: 2.0000 Each(s) 1.0000 Each(s)/Unit Total: Short Pin Bracket Pick: WSZI Description Qtv Part Number D3330-13 Short Pin Bracket Handle D333015 Comment: Qty.: 1.0000 Each(s)/Unit Total: 2.0000 Each(s) . Handle Pick: **Qty Part Number Description** D3330-15 Handle

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WIO: WORK ORDER CHANGES					· · · · · · · · · · · · · · · · · · ·		
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		•					-
· Shipped							

Part No:	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
			QA: N/C C	losed:	Date:

NCR:	WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC	Corrective Action Section B			Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & . Date	Section C	Chief Eng	QC Inspecto
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Tuesday, 2/26/2008 8:02:41 AM Date: User: . Kim Johnston **Process Sheet** Drawing Name: FRAME WELDMENT Customer: CU-DAR001 Dart Helicopters Services Job Number: 37640 Part Number: D3330041 Job Number: Seq. #: Description: Machine Or Operation: D333017 10.0 Handle Socket Comment: Qty.: 2.0000 Each(s) Handle Socket Pick: Qty Part Number Description woll Handle Socket D3330-17 11.0 D333019 Comment: Qty.: 2.0000 Each(s) 1.0000_Each(s)/Unit-Total : Handle Rim Pick: w 623 Qty Part Number Description Batch D3330-19 Handle Rim LARGE FAB Comment: LARGE FABRICATION RESOURCE 1 Assemble and Weld as per Dwg Dwg D3330 using D3330-041T1 Identify as D3330-041 13.0 VISUAL WELDING INSPECTION Comment: VISUAL WELDING INSPECTION 14.0 INSPECT WORK TO CURRENT STEP Comment: INSPECT WORK TO CURRENT STEP POWDER COATING 15.0 POWDER COATING 8052 Comment: POWDER COATING Powder Coat Fire Red (Ref: 4.3.5.10) as per QSI 005 4.3 16.0 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

Dart Ae	rospace	e Ltd						
W/O:		1	WC	ORK ORDER CHANGES				
DATE	STEP	PRO	OCEDURE CHA		Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
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Part No	:	PAR #:	Fault Cate	gory: N	CR: Yes	No DQA :	Date: _	
					QA: N	/C Closed:	Date: _	
NCR:		\	WORK ORDI	ER NON-CONFORMANC	E (NCR	2)		
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section B Action Description Chief Eng	Sign &	Verification Section C	Approval Chief Eng	Approval QC Inspecto
			Omor Eng	Office Ling	Butt			
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Date:

Tuesday, 2/26/2008 8:02:41 AM

User:

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: FRAME WELDMENT

Job Number: 37640

Part Number: D3330041

Job Number:



Seq. #:

Machine Or Operation:

Description:

17.0

PACKAGING 1

PACKAGING RESOURCE #1

Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

18.0

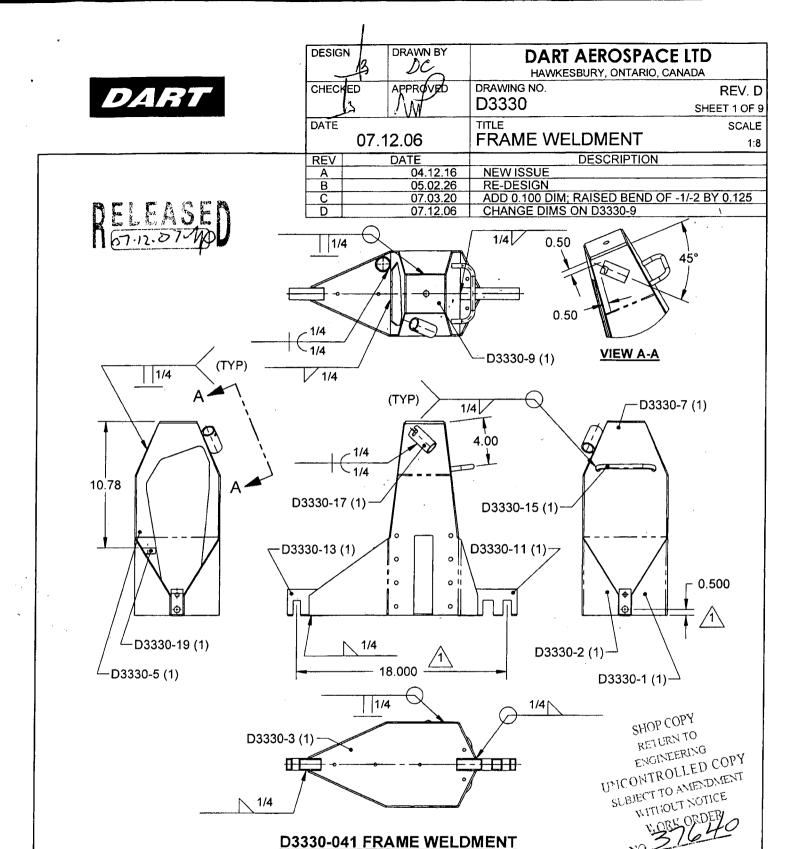
QC21

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



Dart Ae	rospace L	_td							
W/O:			WC	ORK ORDER CHANGES					
DATE	STEP				Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
<u></u> .						*			
Part No	·	PAR #:	Fault Cate	gory: No	CR: Yes	No DQ	A :	Date:	
					QA:	N/C Close	d:	Date:	
NCR:		,	WORK ORDI	ER NON-CONFORMANC	E (NC	R)			
		Description of NC		Corrective Action Section B		Verific	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Secti		Chief Eng	QC Inspector
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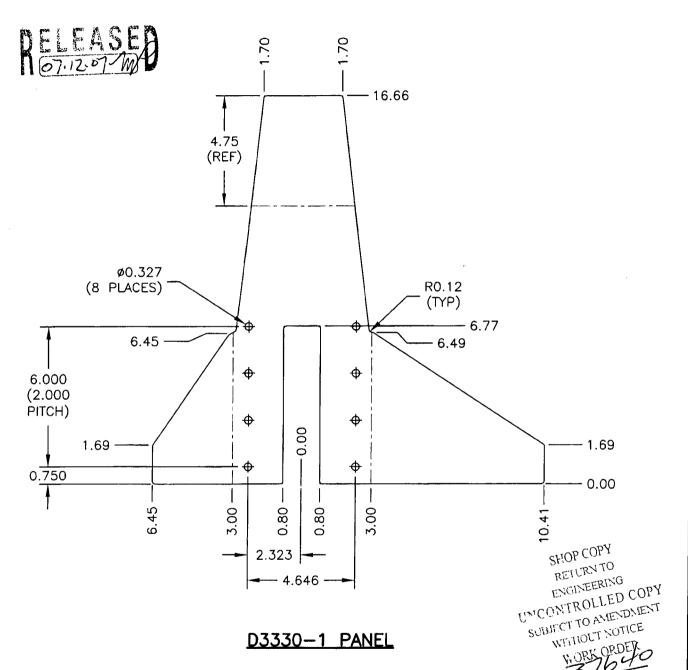
NOTES:

- 1) POSITION PARTS AS PER JIG D3330-041T1
- 2) WELD PER QSI 004
- 3) FINISH: POWDER COAT PAINT FIRE RED (4.3.5.10) PER DART QSI 005 4.3
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.010 TO 0.020

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DESIGN 3	DRAWN BY	DART AEROSP HAWKESBURY, ONTAR	
CHECKED	APRROVED)	DRAWING NO.	REV. D
13	M	D3330	SHEET 2 OF 9
DATE	. L.	TITLE	SCALE
07.12.06		FRAME WELDMENT	1:4

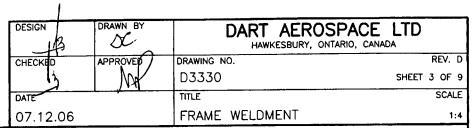


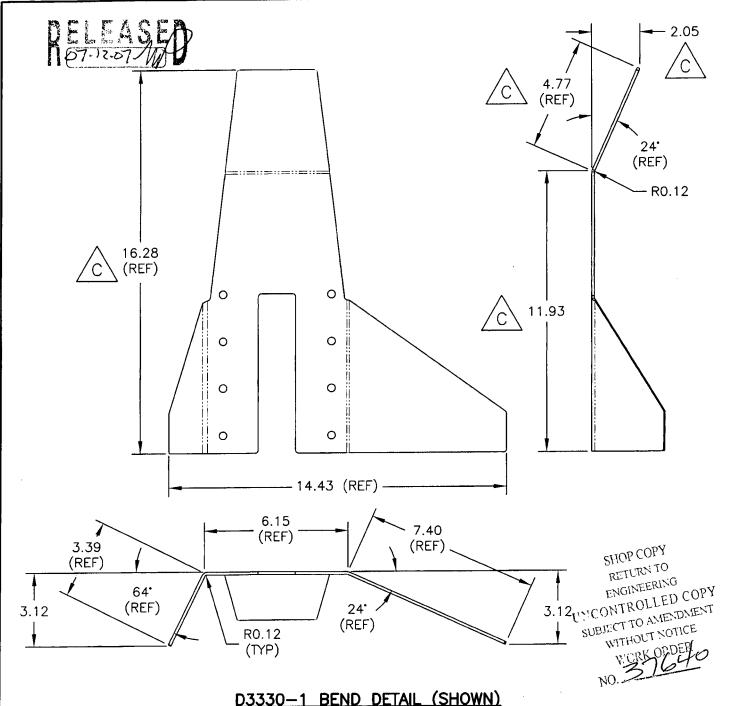
NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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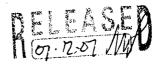
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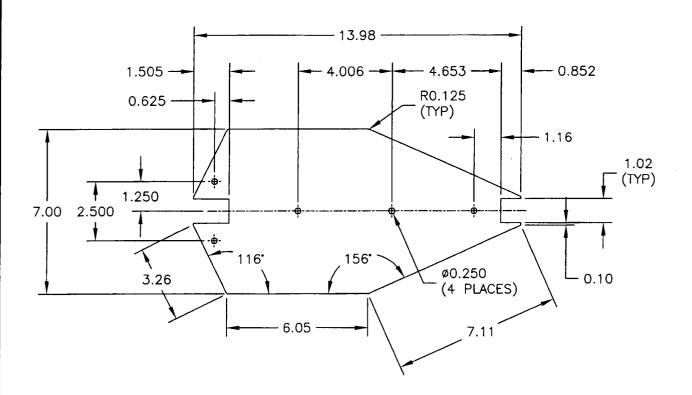
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BEND D3330-2 (OPPOSITE)



DESIGN	DRAWN BY	DART AEROSI HAWKESBURY, ONTA	· · · · -
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DATE		TITLE	SCALE
07.12.06		FRAME WELDMENT	1:4





D3330-3 PLATE

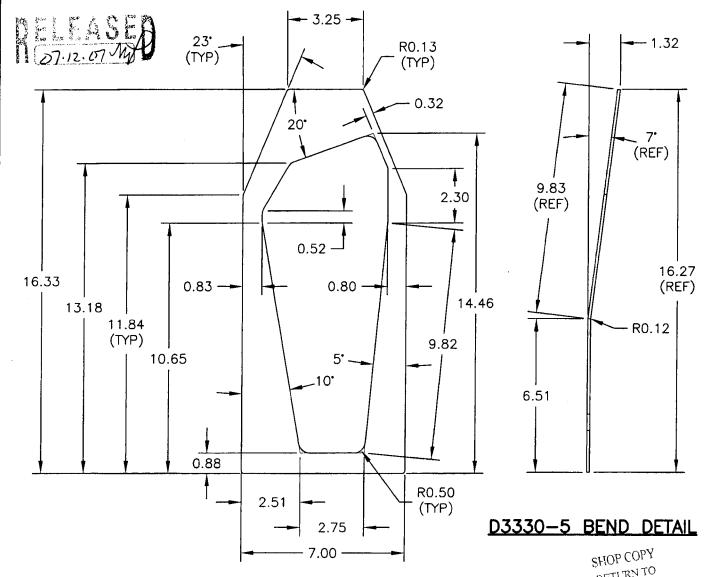
SHOP COPY RETURN TO ENGINEERING INCOULTROY LED COPY SUBPLIT TO AMENDMENT VITCHOUT NOTICE

NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010



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07.12.06		FRAME WELDMENT	1:4



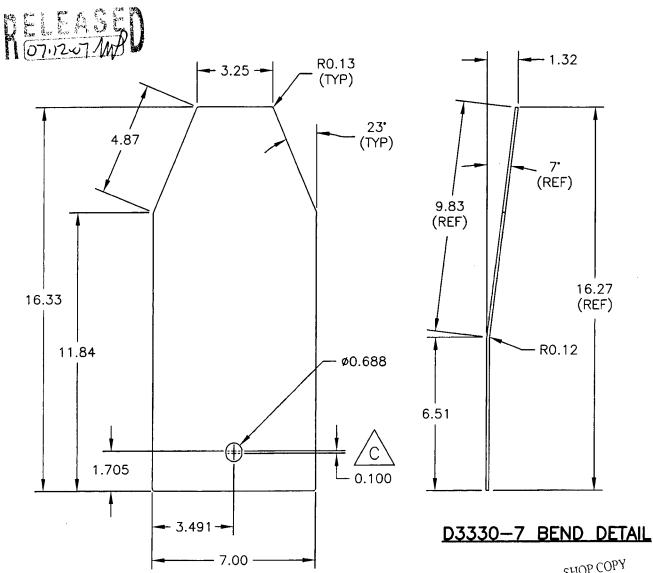
FLAT PATTERN

RETURN TO ENGINEERING UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010



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07.12.06		FRAME ASSEMBLY	1:4



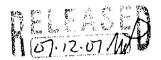
FLAT PATTERN

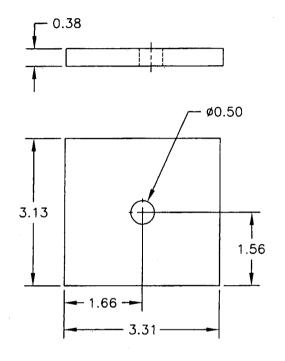
SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE

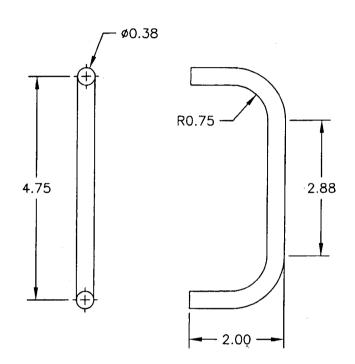
- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERVED STEEL STE 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.12517HICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010



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DATE		TITLE	SCALE
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↑ D3330-9 TOP PLATE

№ D3330-15 HANDLE

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OF ASTM A36/A366/A1008, 0.375 STEEBIECT TO AMENDMENT

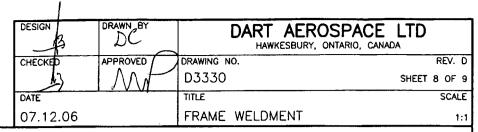
(REF. DART SPEC M1010 B0 775 7752) WORK ORDER

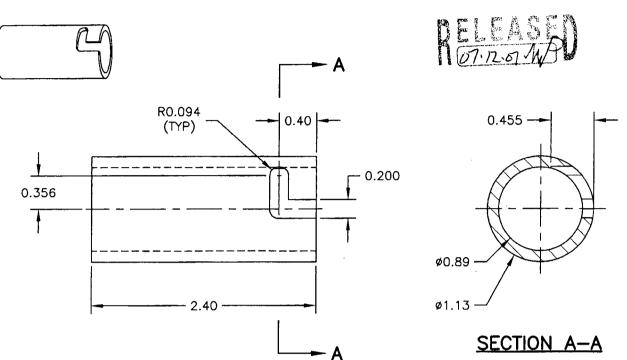
2) MATERIAL: AISI 1018-1025 ROUND BAR PER MIL-S-7097

(REF. DART SPEC. M1018-R0.375)

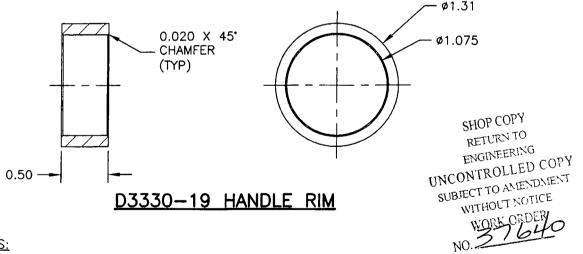
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010







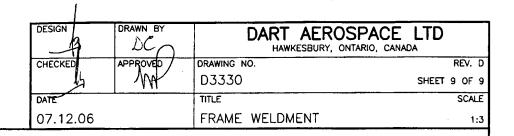
D3330-17 HANDLE SOCKET

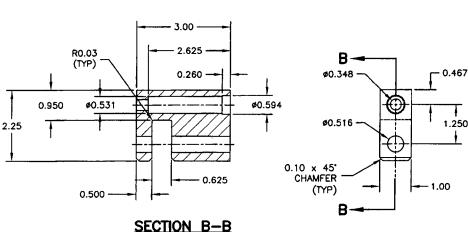


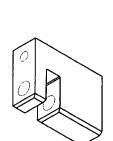
NOTES:

- 1) MATERIAL: 1010-1025 ROUND BAR STEEL PER MILL-S-7097 (REF. DART SPEC. M1025TR)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

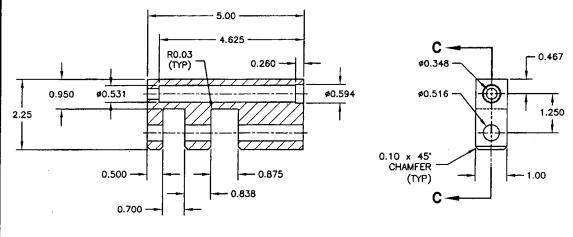


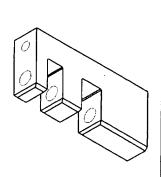






D3330-13 SHORT PIN BRACKET





SECTION C-C

D3330-11 LONG PIN BRACKET

SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COPY SUBSTITUTIO AMENDMENT WITHOUTNOTICE

NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570, 1.000 THICK STEEL (REF. DART SPEC. M1010-B1.000x02.250)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010